

Easidew Online Dew-Point Hygrometer

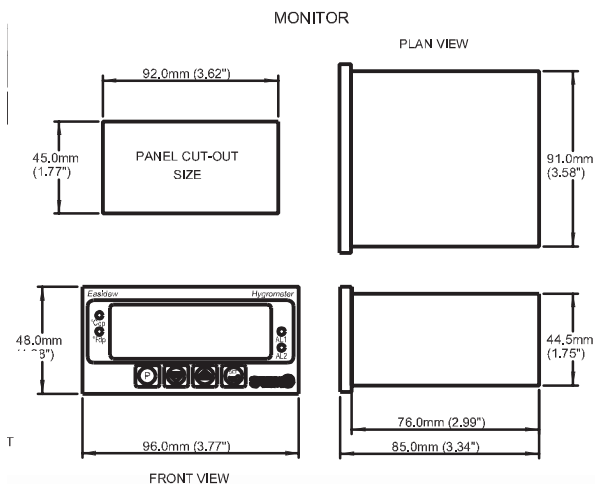


A panel- or bench-mounting hygrometer with digital display, analog and digital outputs and dual alarm feature, offering excellent reliability and repeatability.

Highlights

- Dew point or ppm moisture content
- Analog and digital outputs
- IP66 (NEMA 4) Sensor and IP65 (NEMA 12) Monitor (front panel only)
- Excellent sensor protection
- -100 to +20°C / -148 to +68°F total dew-point range
- Dual alarms
- Clear and easy to read display

Dimensions



Technical Specifications

Performance	
Measurement range (dew point)	-100 to +20°C / -148 to +68°F dew point 0–3000 ppm _v ppm _v output or non-standard dew-point range must be specified at time of order
Accuracy (dew point)	±2°C / ±3.6°F dew point
Response time	5 mins to T95 (dry to wet)
Repeatability	0.5°C / 0.9°F dew point
Electrical output/input	
Output signal	4–20 or 0–20 mA signal, maximum load resistance 500 Ω RS232
Supply voltage	85 to 264 VAC, 50/60 Hz
Load resistance	Max 250 Ω @ 12 V 500 Ω @ 24 V
Current consumption	60 mA max
Operating conditions	
Operating humidity	0–100% RH
Operating temperature	-40 to +75°C / -40 to +167°F
Mechanical specification	
Ingress protection	Monitor IP65 (NEMA 12) front panel only Sensor IP66 (NEMA 4)
Dimensions	Monitor 1/8 DIN case, 96 x 48 x 85mm / 3.77 x 1.88 x 3.34\" including clearance (W x H x D) Sensor 132 x 27 A/F mm / 5.13 x 1.06\" (length x diameter across hex flats)
Filter	HDPE
Weight	150g / 5.3oz
Electrical connections	Sensor cell supplied
Alarm	Front panel configuration of alarm points
Sensor cable	0.8m / 2.6' supplied as standard (max 800m (2,600'))
Power cord	2m / 6.5' cable supplied

Easidew Online

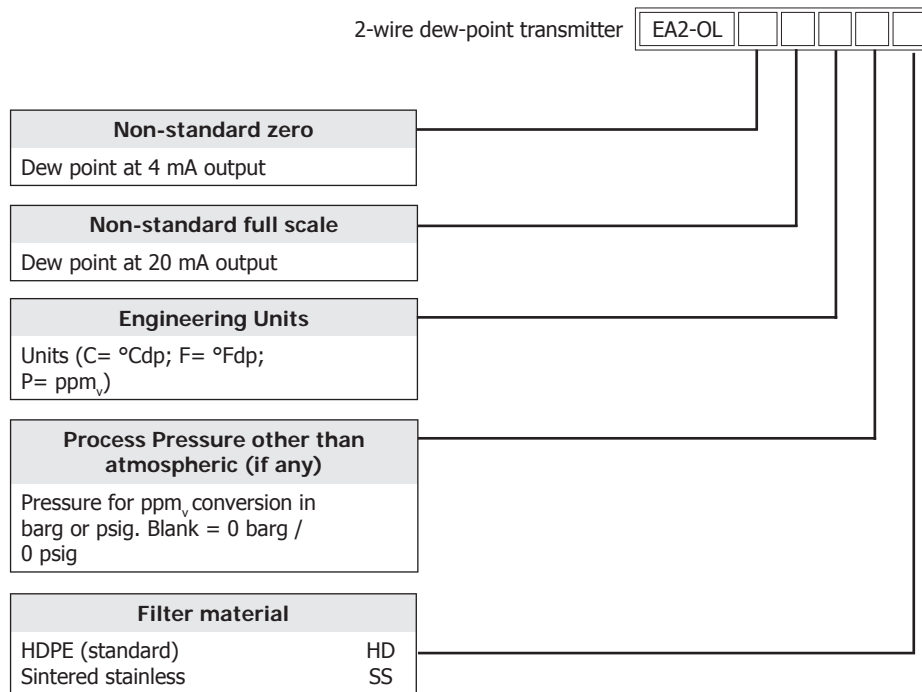
Options and accessories

Easidew Sampler A self-contained sampling system, with filtration and flow control, for measurement of pressure or atmospheric dew point	EA2-SAM
Sample Block Stainless Steel sample block to contain Easidew Transmitter, with 1/8" NPT ports	CSB
Replacement HDPE Guard Pack of 10 HDPE Guards	EA2-HDPE-10
Sintered Guard Stainless Steel sintered guard, for protection of ceramic sensor (in place of standard HDPE Guard)	9980237
Easidew Communication Kit For connection to Easidew Transmitter and reconfiguration of range and output via Michell Configuration Software (available free of charge from Michell)	EA2-CK

Electrical Connections

Pin	
1	To sensor Blue cable
3	To sensor Green cable
4	To sensor Red cable
7	Alarm relay contact 2 - N/O
8	Alarm relay contact 2 - N/C
9	Alarm relay contact 2 - com
13	Output mA -
14	Output mA +
16	Alarm relay contact
17	Alarm relay contact
23	Power supply N
24	Power supply L

Order codes



Example:

Standard product: EA2-OL-150-HD

2-wire dew-point transmitter, Easidew Online with measurement range of -150 to +70F dew point corresponding to 4-20mA output

Non-standard product: EA2-OL -120 +50 F 50psig HD

2-wire dew-point transmitter, Easidew Online with measurement range of -120 to +50F dew point corresponding to 4-20mA output to operate at a process pressure of 50 psig.

Please note: Michell Instruments adopts a continuous development program which sometimes necessitates specification changes without notice. Please contact us for latest version. Ref: Easidew Online_0908



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